



Green Healthcare Construction

Site Design

- Use of existing site preserves agricultural land.
- Increased building height and existing building renovation minimize site development footprint.
- Re-aligned Entrances reduce traffic impact to neighbors and improve transit options.
- Shade trees in the parking areas assist in cooling of building, public, and paved areas.
- Drip irrigation system and high efficiency irrigation controls reduce water use.
- Relocation of Cardinal Street homes reduce landfill waste.
- Construction Practices for reduction in storm water pollution protects natural water resources and wildlife.



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Energy:

- East-West Building orientation maximizes day-light and shading effect. Exterior sun shade devices also provided.
- Use of natural light in public spaces and corridors minimize electrical daytime loads.
- Insulated exterior windows with reflective low heat gain characteristics minimize cooling and heating loads.
- Run-around cycle heat system recovers heating and cooling energy from the exhaust and transfers it to the supply air.
- Building Commissioning and Automation Systems ensure proper adjustment, allow for use of energy reduction strategies and system monitoring for optimal performance.
- Chillers refrigerant specified for low ozone depletion potential.
- Chillers and cooling towers specified with low average kW/TON of cooling.





Green Healthcare Construction Material Selection and Environmental Quality:

- 100% outside air supply improves indoor air quality and saves resources by eliminating need for return duct system.
- Interior finishes selected create less environmental impact; low VOC paint, rubber flooring, ceiling tile with recycled content.
- Roofing design incorporates a highly reflective surface design to minimize heat gain and reduce energy cost, provides excellent resistance to ozone, algae-resistant, environmentally friendly, and safe to install.
- Exterior skin includes composite foam metal panels which are highly recyclable, use low emitting sealants, and reduce on-site waste by factory fabrication.

